

Date: Thu, 4 Nov 93 04:30:25 PST  
From: Ham-Digital Mailing List and Newsgroup <ham-digital@ucsd.edu>  
Errors-To: Ham-Digital-Errors@UCSD.Edu  
Reply-To: Ham-Digital@UCSD.Edu  
Precedence: Bulk  
Subject: Ham-Digital Digest V93 #99  
To: Ham-Digital

Ham-Digital Digest                      Thu, 4 Nov 93                      Volume 93 : Issue    99

Today's Topics:

FTP SITE SHROOM.COM FOR GP ?  
Getting Started TCP/IP  
Info on Cellular Mods  
PK-87 and KISS  
Question about Apple Computer and packet  
Recommendations for RFI quiet PCs and a TNC  
RTTY v. AMTOR v. PACTOR -- dumb question (2 msgs)  
Setting up packet  
Thanks for help  
Viruses and Packet radio

Send Replies or notes for publication to: <Ham-Digital@UCSD.Edu>  
Send subscription requests to: <Ham-Digital-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Digital Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-digital".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: 2 Nov 1993 10:00:32 -0600  
From: elroy.jpl.nasa.gov!swrinde!dptspd!TAMUTS.TAMU.EDU!news.utdallas.edu!  
corpgate!crchh327.bnr.ca!kharker@ames.arpa  
Subject: FTP SITE SHROOM.COM FOR GP ?  
To: ham-digital@ucsd.edu

In article <CFuGK1.JGD@lysator.liu.se>, gerca@lysator.liu.se (Gert Carlsson)  
writes:

|> Hello All !  
|>  
|> Is there any ftp site for the SHROOM.COM program for Graphic Packet ?  
|> I have looked in nic.funet.fi and ftp.tu-clausthal.de without success.  
|>

|> Thank you in advance,  
|>  
|> 73 de Gert / SM5LWC !  
|>  
|> E-mail: gerca@lysator.liu.se  
|> (Lysator Academic Computer Club, Linkoping University & Institute of Techn.)  
|>

Can someone explain what Graphic Packet is? I'm familiar with all sort of graphic-oriented land-line BBS communications, and having just gotten into packet was considering how that sort of thing might be done on packet.

--

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=====
Kenneth E. Harker          BNR          "Any opinions expressed
kharker@bnr.ca            Richardson, Texas, USA    are solely mine and do
N1PVB                    (214) 684-5115    not represent BNR"
=====
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Date: Thu, 4 Nov 1993 05:07:02 GMT  
From: library.ucla.edu!agate!iat.holonet.net!bwilkins@network.ucsd.edu  
Subject: Getting Started TCP/IP  
To: ham-digital@ucsd.edu

ryza1@llnl.gov (Your name) writes:  
: I'am trying to get started using TCP/IP for packet and having hard  
: time.  
: Maybe someone could help. I have a Mac LC II, Tnc KPC-3, RS  
: HTX-202,software is NET-Mac 2.3.30. I live in the Stockton CA area.  
: What frequency should I be using or any other set up should I be  
: doing????  
: Thanks Pete  
: wb9qwu@wa6ktk.nocal.ca.usa.na  
: wb9qwu.ampr.org 44.2.1.18

Hi Pete,

Monitor 145.75 for activity. You may need a good antenna. There is a lot of activity in Sacramento, Livermore and the foothills east of you.

Have fun

--

Bob Wilkins n6fri voice 440.250+ 100pl san francisco bay area  
bwilkins@cave.org packet n6fri @ n6eeg.#nocal.ca.usa.na

-----  
Date: Tue, 02 Nov 93 18:51:22 CST  
From: tribune.usask.ca!mizar.cc.umanitoba.ca!bison!sys6626!inqmind!  
bills@decwrl.dec.com  
Subject: Info on Cellular Mods  
To: ham-digital@ucsd.edu

Hmm. If its illegal to sell equipment that can be used to intercept cell phone calls, I guess Radio Shack will have to pull all those VCR wireless video systems - after all, the "receiver" for that is nothing more than a broad-band down converter. No selectivity at all; it converts 870 MHZ down just as well as 902 MHZ.

Bill

bills@inqmind.bison.mb.ca  
The Inquiring Mind BBS, Winnipeg, Manitoba 204 488-1607

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Date: 3 Nov 93 16:27:33 GMT  
From: ogicse!emory!gatech!concert!samba.oit.unc.edu!not-for-mail@network.ucsd.edu  
Subject: PK-87 and KISS  
To: ham-digital@ucsd.edu

I have a PK-87 that I am using on AX.25 packet just fine. I have recently decided to try tcp/ip. I have JNOS 1.08d and have it working - sorta. The AX.25 stuff works MUCH better straight through the PK-87 than it does through JNOS. Is this common or should I upgrade the PK-87?

Carty KA2Y  
-- internet cellis@brockvma.cc.brockport.edu  
:-)

--

The opinions expressed are not necessarily those of the University of North Carolina at Chapel Hill, the Campus Office for Information Technology, or the Experimental Bulletin Board Service.  
internet: laUNCHpad.unc.edu or 152.2.22.80

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Date: 2 Nov 1993 09:57:29 -0600  
From: elroy.jpl.nasa.gov!swrinde!dptspd!TAMUTS.TAMU.EDU!news.utdallas.edu!  
corpgate!crchh327.bnr.ca!kharker@ames.arpa

Subject: Question about Apple Computer and packet  
To: ham-digital@ucsd.edu

In article <31384@mindlink.bc.ca>, Gordon\_Croft@mindlink.bc.ca (Gordon Croft) writes:

|> If you just want to do the "normal" packet stuff all you need to do is run a  
|> terminal emulation program on your Apple (Procomm or anything like that).  
|>  
|> I'm pretty sure there are lots of terminal emulators for the Apple.  
|>  
|> Then you can use any of the TNCs, as far as I know.  
|>  
|> Hope this helps,  
|> Gord

Actually, I have never seen a Macintosh version of Procomm, but there are several very good terminal programs you can use:

Smartcom II (my recommendation)  
Microphone II  
Intercomm  
White Knight  
Z Term

Any software store that sells Macintosh software should have one or more of these, and any mail order firm should have them all.

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=====
Kenneth E. Harker          BNR          "Any opinions expressed
kharker@bnr.ca            Richardson, Texas, USA    are solely mine and do
N1PVB                     (214) 684-5115    not represent BNR"
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Date: 4 Nov 93 03:29:23 GMT  
From: sdd.hp.com!usc!cs.utexas.edu!not-for-mail@hplabs.hp.com  
Subject: Recommendations for RFI quiet PCs and a TNC  
To: ham-digital@ucsd.edu

Hi,  
I'm in the market for a PC. Need to get something for working at home, and I thought I'd try to combine a little business with pleasure. So the computer will be in the shack, next to the rig. I've been looking at various 486 25mhz boxes, including Compaq, Laser, and Packard Bell. Are there any that are notoriously bad radiators of RFI?

I'll be looking for a TNC and software as well. I want to use the two for VHF/UHF packet, and HF digital modes too. I'm also interested in what else the two can do for me with logging, station control, etc... I've got a Yaesu FT747GX, which has the CAT control port.

I was leaning toward the AEA PK-800 (or is it 900) and PAKRATT/windows, until I saw the new MFJ software advertised in the Nov QST. It looks like it'll do everything that I want and then some. Any comments?

Thanks,  
Joe - N3PQY/AE  
(landisj@drager.com)

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Date: 3 Nov 93 06:37:24 GMT  
From: swrinde!gatech!usenet.ins.cwru.edu!eff!news.kei.com!sol.ctr.columbia.edu!  
xlink.net!fauern!rz.unibw-muenchen.de!clauden@network.ucsd.edu  
Subject: RTTY v. AMTOR v. PACTOR -- dumb question  
To: ham-digital@ucsd.edu

dts@world.std.com (Daniel T Senie) writes:

>>And what now is PACTOR? I just heard about it in the Sept  
>>QST, where a gentleman has an article, with pictures, talking  
>>about linking back home from the Pacific Ocean using PACTOR.  
>>The article does not, however, explain what PACTOR is.  
>>(I do not have a copy yet of the ARRL Handbook, where I am  
>>sure this is explained; just newly licensed and barely  
>>started on my reading list.)

>PACTOR sounds like AMTOR, only the data bursts are longer. Sorta like slow  
>crickets. Pactor is also an acknowledged protocol, and has the advantages of  
>higher speed (under good conditions), upper AND lower case, and the ability  
>to run it on transceivers that do not handle Amtor's fast switching times.

>>  
>>Thanks for the Information. Hope I didn't offend anyone on  
>>this list for asking such a basic question.

>Basic or advanced, all questions are welcome here! Hope you get on and  
>enjoy the digital modes!

OK, here is my question. Where can I find the reference document of PACTOR in which the protocol is defined or a similar paper ?

Many thanks for your help.

--

Claude F.

This message may contain opinions which are not shared by my employer.  
The facts can speak for themselves.

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Date: 3 Nov 93 14:28:56 GMT  
From: ogicse!emory!kd4nc!ke4zv!gary@network.ucsd.edu  
Subject: RTTY v. AMTOR v. PACTOR -- dumb question  
To: ham-digital@ucsd.edu

In article <199311022020.MAA09616@ucsd.edu>  
William=E.=Newkirk%Pubs%GenAv.Mlb@ns14.cca.CR.rockwell.COM writes:  
>(many lines deleted)  
>  
>>AMTOR uses the Baudot code, which is a 5 bit code. That's another  
>>advantage that Pactor has: it DOES use the ASCII code.  
>>Mike, K0TER  
>  
>[enter shoot from hip mode...]  
>  
>amtor uses a 7 bit code with a known ratio of on to off bits (i think it's  
>3:4). it's not baudot. it's not ascii. the limits set by forcing a set  
>ratio of on to off bits is what restricts the number of possible characters  
>that can be represented (of course you could send hex and there are other  
>approachs to send any data through an amtor link....)  
>  
>it may have it's history in baudot and have similar alphabet for that reason.

AMTOR is the amateur version of SITOR, the commercial ship to shore  
system. It's defined by the CCIR as using international telegraphic  
alphabet number 2, IE Baudot. Packet on the other hand has no such  
alphabetic restriction. It's defined as transmitting "octets", IE  
8 bit data combinations. 7 bit ASCII \*fits\* in an octet with room  
for a parity bit, so it's most often used as the telegraphic alphabet  
with packet, but packet isn't limited to ASCII.

Gary

--  
Gary Coffman KE4ZV                   |"If 10% is good enough | gatech!wa4mei!ke4zv!gary  
Destructive Testing Systems | for Jesus, it's good | uunet!rsiatl!ke4zv!gary  
534 Shannon Way               | enough for Uncle Sam."| emory!kd4nc!ke4zv!gary  
Lawrenceville, GA 30244       | -Ray Stevens               |

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Date: 3 Nov 93 13:29:46 GMT

From: news-mail-gateway@ucsd.edu  
Subject: Setting up packet  
To: ham-digital@ucsd.edu

In article <1NOV199306473938@nssdca.gsfc.nasa.gov>  
stocker@nssdca.gsfc.nasa.gov(ERICH FRANZ STOCKER) writes:  
>I'm hoping that someone familiar with MFJ-1270B might be able to help me out. I  
>have finally 8mo after purchasing the 1270B installed my software and hooked  
>up the TNC. However, I can't seem to get the software to talk to the TNC  
>at all.

I recently had a similar problem. It turned out that the dip switches on  
the back (used for setting baud rates etc) had been installed up-side down.  
After flipping the box on its back and re-setting the dips, all was fine.

---

Glenn Davis	+1 403 790 4626 / davis@syncrude.com	(Work)
Syncrude Canada Ltd	+1 403 743 9675 / davis@realtime.ab.ca	(Home)

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Date: 3 Nov 1993 08:10 EDT  
From: swrinde!gatech!europa.eng.gtefsd.com!news.umbc.edu!cs.umd.edu!  
skates.gsfc.nasa.gov!nssdca.gsfc.nasa.gov!stocker@network.ucsd.edu  
Subject: Thanks for help  
To: ham-digital@ucsd.edu

I want to post a public thank you for the many people who responded to me  
question the other day about my problems with my MFJ-1270B to computer  
interface. The number of people kind enough to respond makes a direct  
response to each difficult.

I appreciate the suggestions some of which I had already tried but some  
were new. The connection still isn't working. I'm now going to try the  
break-out box although I'm not sure why my cable works with the modem but  
not with the TNC but who knows.

It is interesting that one respondent says that the 1270B definitely uses  
7E1 while the multicom documentation from MFJ says to use 8N1 for the 1270B.  
The documentation for the TNC is somewhat confusing it says the AWLEN is by  
default 8 but it says to use 7bit in the commo package. However, regardless  
of that I had already tried them both and neither did anything when it comes  
to allowing communications between computer and TNC.

I guess I'll make the break-out box the last try and then bag it figuring the  
new TNC is defective. Given the overall quality of this MFJ item, it could  
well be.

But whatever comes of it, I appreciate all the suggestions from the net.

thanks,

Erich  
N30XM

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Date: Wed, 3 Nov 1993 08:05:36 GMT  
From: pacbell.com!att-out!cbfsb!cbnewsg.cb.att.com!fvdbord@ames.arpa  
Subject: Viruses and Packet radio  
To: ham-digital@ucsd.edu

If I use Baycom for Packet radio and I set "remote off" is there any chance that anyone can install a virus on my PC from a remote system? Would it be possible if I set "remote on" ?

Kind regards

Frank van der Borden  
fvdbord@intgp1.att.com

-----  
Date: 3 Nov 93 19:15:16 GMT  
From: sdd.hp.com!col.hp.com!jms@hplabs.hp.com  
To: ham-digital@ucsd.edu

References <199311022020.MAA09616@ucsd.edu>, <2b6jgq\$mht@hp-col.col.hp.com>, <CFw2EB.CyG@world.std.com>  
Subject : Re: RTTY v. AMTOR v. PACTOR -- dumb question

Daniel T Senie (dts@world.std.com) wrote:  
: The Aplink systems, and the PK232 and KAM have implemented a method  
: for lower case on AMTOR. I believe it is done by sending a shift character  
: to get between the character sets. It works QUITE well and covers all  
: needed characters for written language (I.e. no IBMPC character graphics).

: Dan N1JEB

Any idea which version of the ROM on the PK-232 implemented the above?  
I have an older PK-232, before MBOX, and haven't kept up with the ROM enhancements.

Mike, K0TER



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End of Ham-Digital Digest V93 #99

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